

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-2 (cancelled)

Claim 3 (currently amended): The arrangement of claim ~~1~~ 25, wherein ~~the desired information comprises capacity information or/and~~ said electronic computation means makes an identification information of the absorber means.

Claim 4 (currently amended): The arrangement of claim ~~1~~ 25, wherein the electronic information transfer means comprises an antenna means, and that the antenna means is arranged to read the information programmed in the transponder.

Claim 5 (currently amended): The arrangement of claim 4, wherein the antenna means is arranged to feed information calculated in the electronic computation means to the transponder.

Claim 6 (currently amended): The arrangement of claim ~~1~~ 25, wherein the electronic information transfer means comprises a wire connection between the electronic information transfer means and the transponder.

Claim 7 (currently amended): The arrangement of claim 6, wherein the wire connection is arranged to feed information ~~calculated~~ determined in the electronic computation means to the transponder.

Claim 8 (previously presented): The arrangement of claim 4, wherein the antenna means is a RFID antenna and the transponder is an RFID tag.

Claims 9-22 (cancelled)

Claim 23 (previously presented): The arrangement of claim 5, wherein the antenna means is a RFID antenna and the transponder is an RFID tag.

Claim 24 (cancelled)

Claim 25 (new): An arrangement for use with an anesthesia/ventilation system for a patient, the system including a breathing circuit for supplying breathing gases to the patient for respiration, said breathing circuit having means for flowing inspiratory gas to the patient and means for flowing expiratory gases from the patient through a CO₂ absorber means back to the inspiratory gas flow means, the arrangement comprising:

a transponder attached to the absorber means and electronically programmed with desired information including information relating to a CO₂ absorption characteristic of the absorber means;

an electronic information transfer means arranged to communicate with said transponder; and

electronic computation means, said electronic computation means being couplable to the anesthesia/ventilation system for receiving information relating to the amount of CO₂ introduced in the breathing circuit in the course of respiration by the patient, said electronic computation means receiving information from said transponder, via said electronic information transfer means, relating to a CO₂ absorption characteristic of the absorber means and performing a calculation to make a determination relating to the absorption of CO₂ by the absorber means.

Claim 26 (new): The apparatus of claim 25 wherein said electronic computation means is further defined as using information received from the transponder relating to the CO₂ absorption capacity of the absorber means and information received from the

5 anesthesia/ventilation system to make a determination of a current absorption capacity of the absorber means.

Claim 27 (new): The arrangement of claim 26 wherein said electronic computation means makes a determination of one of the capacity of the absorber consumed or the capacity of the absorber remaining.

Claim 28 (new): The arrangement of claim 26 wherein said electronic computation means makes a determination of the current absorption capacity of said absorber means as a percentage absorption capacity remaining or a percentage absorption capacity used up.

5 Claim 29 (new): The arrangement of claim 25 wherein said electronic computation means uses information received from said transponder relating to the CO₂ capacity of the absorber means and information received from the anesthesia/ventilation system to determine the rate at which CO₂ is being absorbed by said absorption means, and determines the time remaining until the absorber means reaches its capacity for absorption.

Claim 30 (new): The arrangement of claim 25 wherein said electronic computation means is further defined as using information received from the anesthesia/ventilation system comprising one or more of VCO₂ (rate of CO₂ production), fresh gas flow, minute volume, tidal volume, FiCO₂ (fractional inspired CO₂), and respiration rate.

Claim 31 (new): The arrangement of claim 26 wherein said electronic computation means is further defined as using information received from the anesthesia/ventilation system comprising one or more of VCO₂ (rate of CO₂ production), fresh gas flow, minute volume, tidal volume, FiCO₂ (fractional inspired CO₂), and respiration rate.

Appln. No. 10/809,041
Amendment dated April 27, 2006
Reply to Office Action of November 1, 2005

Claim 32 (new): The arrangement of claim 29 wherein said electronic computation means is further defined as using information received from the anesthesia/ventilation system comprising one or more of $\dot{V}CO_2$ (rate of CO_2 production), fresh gas flow, minute volume, tidal volume, $FiCO_2$ (fractional inspired CO_2), and respiration rate.

Claim 33 (new): The arrangement of claim 25 wherein said electronic computation means makes a determination of the periods of use of the absorber means.

Claim 34 (new): The arrangement of claim 33 wherein said electronic computation means makes a determination of periods of exposure of the absorber means to dry flushing gases.